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     (FILE 'HOME' ENTERED AT 16:55:18 ON 02 MAY 2007)

     FILE 'REGISTRY' ENTERED AT 16:55:33 ON 02 MAY 2007
L1            47 S N-ACETYL-D-GLUCOSAMINE
L2             0 S L1 AND ANTIDOTE

     FILE 'CAPLUS' ENTERED AT 16:56:41 ON 02 MAY 2007
L3          2819 S N-ACETYL-D-GLUCOSAMINE
L4             0 S L3 AND ANTIDOTE
L5             4 S L3 AND POISONING
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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 3	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS 4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS 5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 6	JAN 22	CA/CAplus updated with revised CAS roles
NEWS 7	JAN 22	CA/CAplus enhanced with patent applications from India
NEWS 8	JAN 29	PHAR reloaded with new search and display fields
NEWS 9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS 11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS 12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13	FEB 26	MEDLINE reloaded with enhancements
NEWS 14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS 15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS 16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS 18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19	MAR 16	CASREACT coverage extended
NEWS 20	MAR 20	MARPAT now updated daily
NEWS 21	MAR 22	LWPI reloaded
NEWS 22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS 23	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS 24	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS 26	APR 30	CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS 27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS 28	MAY 01	New CAS web site launched

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 16:55:18 ON 02 MAY 2007

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
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DICTIONARY FILE UPDATES:    1 MAY 2007  HIGHEST RN 934050-43-8

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http://www.cas.org/support/stngen/stndoc/properties.html

=> N-acetyl-D-glucosamine
N-ACETYL-D-GLUCOSAMINE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s N-acetyl-D-glucosamine
       8000668 N
       1544347 ACETYL
       8763931 D
          5961 GLUCOSAMINE
L1           47 N-ACETYL-D-GLUCOSAMINE
                (N(W)ACETYL(W)D(W)GLUCOSAMINE)

=> S l1 and antidote
            49 ANTIDOTE
L2           0 L1 AND ANTIDOTE

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        25.65      25.86

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FILE COVERS 1907 - 2 May 2007 VOL 146 ISS 19
FILE LAST UPDATED: 1 May 2007 (20070501/ED)


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=> s N-acetyl-D-glucosamine
       3033246 N
        159797 ACETYL
       2440797 D
         21909 GLUCOSAMINE
L3        2819 N-ACETYL-D-GLUCOSAMINE
                (N(W)ACETYL(W)D(W)GLUCOSAMINE)

=> s l3 and antidote
          4818 ANTIDOTE
L4           0 L3 AND ANTIDOTE

=> s l3 and poisoning
         63743 POISONING
L5           4 L3 AND POISONING

=> d l5 ed ibib abs 1-4

L5   ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2007 ACS on STN
ED   Entered STN:  08 Nov 2005
ACCESSION NUMBER:         2005:1187354  CAPLUS
DOCUMENT NUMBER:          145:81855
TITLE:                    Binding of porcine ficolin-α to
                          lipopolysaccharides from Gram-negative bacteria and
                          lipoteichoic acids from Gram-positive bacteria
AUTHOR(S):                Nahid, Abu M.; Sugii, Shunji
CORPORATE SOURCE:         Laboratory of Veterinary Microbiology, Graduate School
                          of Agriculture and Biological Sciences, Osaka
                          Prefecture University, 1-1 Gakuen-cho, Sakai, Osaka,
                          599-8531, Japan
SOURCE:                   Developmental & Comparative Immunology (2005), Volume
                          Date 2006, 30(3), 335-343
                          CODEN: DCIMDQ; ISSN: 0145-305X
PUBLISHER:                Elsevier Ltd.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB   Protein(s) reactive with N-acetyl-D-
     glucosamine (GlcNAc) was isolated from porcine nonimmune serum.
     The mol. weight of the purified protein was found to be mainly 40 kDa on
     SDS-PAGE under reducing conditions.  The N-terminal 10 amino acid sequence
     of the purified protein were found to be identical to that of porcine
     ficolin-α reported previously.  In ELISA, the purified protein was
     found to react with lipopolysaccharides (LPS) from different Gram-neg.
     bacteria such as Escherichia coli, Salmonella typhimurium, Salmonella
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enteritidis, Salmonella abortus equi, Pseudomonas aeruginosa, Shigella flexneri, and Serratia marcescens and with lipoteichoic acid (LTA) from Gram-pos. bacteria such as Streptococcus sanguis, Bacillus subtilis, Streptococcus pyogenes, and Staphylococcus aureus. The purified protein also reacted with E. coli O26 isolated from food poisoning and bovine feces and heat-treated Gram-pos. bacteria such as S. aureus, B. cereus, B. subtilis, Enterococcus faecium, and Corynebacterium bovis. On the other hand, porcine IgG isolated from nonimmune serum showed different reactivity with these LPS, LTA, and heat-treated bacterial cells. From the present findings, purified porcine serum protein reactive with GlcNAc is concluded to be ficolin-α playing an important role(s) in innate immunity against microbial infection with Gram-pos. and -neg. bacteria.

REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 13 May 2005
ACCESSION NUMBER: 2005:409223 CAPLUS
DOCUMENT NUMBER: 142:441891
TITLE: Method and compositions for the treatment and prevention of pain and inflammation with cyclooxygenase-2 inhibitors and polyunsaturated fatty acids
INVENTOR(S): Pulaski, Steven P.; Kundel, Susan
PATENT ASSIGNEE(S): Pharmacia Corporation, USA
SOURCE: U.S. Pat. Appl. Publ., 61 pp., Cont.-in-part of U.S. Ser. No. 215,539.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005101563	A1	20050512	US 2004-783160	20040219
US 2003114416	A1	20030619	US 2002-215539	20020809
CN 1575182	A	20050202	CN 2002-820121	20020813
ZA 2004001163	A	20050622	ZA 2004-1163	20040212
PRIORITY APPLN. INFO.:			US 2001-312211P	P 20010814
			US 2002-215539	A2 20020809

AB A method of preventing or treating pain or inflammation in a subject is provided by administering to the subject a Cox-2 inhibitor and a polyunsatd. fatty acid, or a prodrug thereof, wherein the amount of a Cox-2 inhibitor and polyunsatd. fatty acid or a pharmaceutically acceptable salt or prodrug thereof together constitute a pain or inflammation suppressing treatment or prevention effective amount Glucosamine and/or chondroitin can optionally be present. Therapeutic compns. that contain the combination of Cox-2 inhibitor and polyunsatd. fatty acid and, optionally, the glucosamine and/or chondroitin, are disclosed, as are pharmaceutical compns.

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 10 Aug 2004
ACCESSION NUMBER: 2004:640686 CAPLUS
DOCUMENT NUMBER: 141:313194
TITLE: Glycopeptide Derived from Hen Egg Ovomucin Has the Ability To Bind Enterohemorrhagic Escherichia coli O157:H7
AUTHOR(S): Kobayashi, Kazuo; Hattori, Makoto; Hara-Kudo, Yukiko; Okubo, Tsutomu; Yamamoto, Shigeki; Takita, Toshichika; Sugita-Konishi, Yoshiko
CORPORATE SOURCE: Divisions of Microbiology and Biomedical Food Research, National Institute of Health Sciences,

Setagaya, Tokyo, 158-8501, Japan
SOURCE: Journal of Agricultural and Food Chemistry (2004), 52(18), 5740-5746
CODEN: JAFCAU; ISSN: 0021-8561
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Ovomucin glycopeptide (OGP) was prepared by size exclusion chromatog. after Pronase digestion of hen egg ovomucin, and the binding of OGP to foodborne pathogens (Bacillus cereus, Clostridium perfringens, Escherichia coli O157:H7, Listeria monocytogenes, Salmonella enteritidis, Salmonella typhimurium, and Staphylococcus aureus) was investigated. Binding assays with biotinylated bacteria as probes in microtiter plates showed that OGP bound to only E. coli O157:H7 among these foodborne pathogens. Periodate treatment markedly reduced the binding ability, indicating that E. coli O157:H7 bound to carbohydrate moieties of OGP. Lectin blot anal. with Maackia amurensis (MAA) and Sambucus nigra (SNA), which are specific for oligosaccharides containing sialic acid, revealed their binding sites in OGP were similar to the E. Coli O157:H7 binding sites that were probed with biotinylated E. Coli O157:H7 after Western blotting of OGP. Sialydase treatment of OGP abolished its ability to bind E. Coli O157:H7, demonstrating that sialic acid played an important role in the binding. These results suggest that OGP has E. coli O157:H7-specific binding sites that consist of sialic acid. On the basis of these properties, OGP has the potential to be an ingredient with a protective effect against E. coli O157:H7 infection and to be a novel probe for the detection of E. coli O157:H7 in the food hygiene field.
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ED Entered STN: 31 Dec 2003
ACCESSION NUMBER: 2003:1014208 CAPLUS
DOCUMENT NUMBER: 141:35172
TITLE: Structural analysis by X-ray crystallography and calorimetry of a haemagglutinin component (HA1) of the progenitor toxin from Clostridium botulinum
AUTHOR(S): Inoue, Kaoru; Sobhany, Mack; Transue, Thomas R.; Oguma, Keiji; Pedersen, Lars C.; Negishi, Masahiko
CORPORATE SOURCE: Pharmacogenetic Section Laboratory of Reproductive and Developmental Toxicology, National Institutes of Health, Research Triangle Park, NC, 27709, USA
SOURCE: Microbiology (Reading, United Kingdom) (2003), 149(12), 3361-3370
CODEN: MROBEO; ISSN: 1350-0872
PUBLISHER: Society for General Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Botulism food poisoning is caused primarily by ingestion of the Clostridium botulinum neurotoxin (BoNT). The 1300 amino acid BoNT forms a progenitor toxin (PTX) that, when associated with a number of other proteins, increases its oral toxicity by protecting it from the low pH of the stomach and from intestinal proteases. One of these associated proteins, HA1, has also been suggested to be involved with internalization of the toxin into the bloodstream by binding to oligosaccharides lining the intestine. Here is reported the crystal structure of HA1 from type C Clostridium botulinum at a resolution of 1.7 Å. The protein consists of two β-trefoil domains and bears structural similarities to the lectin B-chain from the deadly plant toxin ricin. Based on structural comparison to the ricin B-chain lactose-binding sites, residues of type A HA1 were selected and mutated. The D263A and N285A mutants lost the ability to bind carbohydrates containing galactose moieties, implicating these residues in carbohydrate binding.
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS